



# HAND PUMPS

**JESSBERGER**®  
pumps and systems

# HAND PUMPS



▶ JP-03

▶ JP-02

▶ JP-04

## Hand pump JP-02

for acids, light alkalies and water based chemicals (Stainless steel SS 304 must be resistant).

## Hand pump JP-03

for oils, diesel, alcohol up to max. 50%, antifreeze liquid (diluted), water, etc.

Pump material: Polypropylene

Shaft: **JP-02** Stainless steel SS 304, **JP-03** Tool steel

Seals: **JP-02** FKM, **JP-03** NBR

Flow rate: 0,3, 0,37 or 0,45 l/stroke\* depending on lever position

Pump tube length: 340–900 mm

Pump tube diameter: max. 40 mm

Thread adapter: G 2" and G 1½"

JP-02	6002 0000
JP-03	6003 0000

## Hand pump JP-04

for different media.

Pump material: Polypropylene

Shaft: Polypropylene

Seals: depending on media

Flow rate: ca. 0,3 l/stroke\*

Hose connection: ¾" | JP-04 BLUE no hose connection, discharge port with anti-drip strainer for oils.

The telescopic suction tube is adjustable from 500 to 900 mm and has a diameter of max. 34 mm.

The pump housing has a thread in 2" to be screwed in all standard Steel drums.

To compensate different threads we can offer appropriate threaded adapters (see page 8).

JP-04 YELLOW	FKM seal for acids or acidic cleaners	6004 0000
JP-04 BLUE	NBR seal for mineral oil products	6004 0001
JP-04 RED	EPDM seal for alkalies	6004 0002
JP-04 BLUE/WHITE	FPM seal for thin fluid food	6004 0003



# HAND PUMPS

## Hand pump JP-05

Suitable for **flammable liquids** such as solvents (including acetone!) and low viscous food.

Pump material: Stainless steel 316Ti

Seals: PTFE

Flow rate: 0,3–0,6 l/stroke\*

Pump tube length: 700, 1.000 and 1.132 mm

Pump tube diameter: 32 mm

JP-05	700 mm	6005 0700
JP-05	1.000 mm	6005 1000
JP-05	1.132 mm	6005 1200

### Necessary accessories:

**Discharge arc** of Stainless steel, with PTFE seal and wing nut made of brass, nickel plated.

Ø 11 mm	6510
Ø 25 mm	9074

**Hose connection** made of Stainless steel, with PTFE seal and wing nut made of brass, nickel plated.

Hose connection ¾"	6520
Hose connection 1"	6530

**Drum adapter** with locking device.

R 2" Brass, nickel plated	6540
R 2" Stainless steel	6539

**Anti static set** absolutely necessary when pumping flammable liquids.

Set	9003
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► Potential equalization

► JP-05



Discharge arc

Hose connection

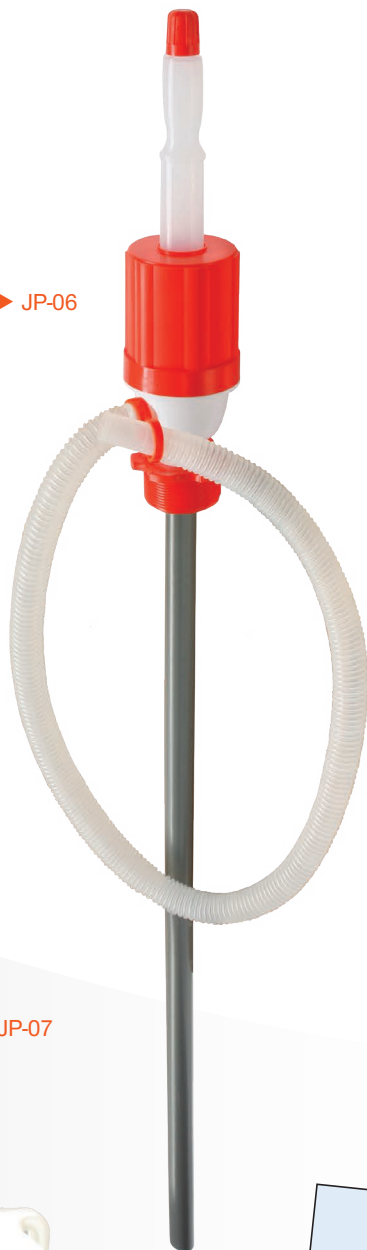
Drum adapter 2"

Adapters available

\* All specified values are real measured values.  
The flow rate of the pump refers to water at 18 °C and free outlet.

# HAND PUMPS

▶ JP-06



## Plastic hand pump JP-06

**Suitable for water, lightly aggressive acids and alkalis.**

Pump material: Polyethylene and PVC

Flow rate: 0,08 l/stroke, resp. 18,5 l/min at an independent transferring\*

Pump tube length: 850 mm

Pump tube diameter: 25 mm

Thread adapter: G 2"

The hand pump is designed as a siphon pump and will be supplied with 1.300 mm long discharge hose. After suction pipe and discharge hose have been filled manually the pump works independently.

JP-06	6006 0000
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## Hand pump JP-07

**Manual filling and transfer pump**

Pump body made of Polypropylene, internal parts also made of Stainless steel, suitable for 20 liter canisters up to 200 liter drums. Three adapters for bunghole diameters from 46.5 to 60 mm and a four-piece suction pipe will be supplied.

Flow rate: Water: 20 l/min\*, oil SAE 30: 9 l/min, at 20 °C\*

Pump tube length: Suction tube of four parts, each 250 mm

Pump tube diameter: max. 31 mm

Temperature: 40 °C\*

Viscosity: 400 mPas\*

JP-07 BLUE	NBR Seal for mineral oil products	6007 0001
JP-07 RED	EPDM Seal for alkalis	6007 0002
JP-07 GREEN	FKM Seal for light acids	6007 0003

▶ JP-07



**Accessories:** Transfer hose (1,5 m) with nozzle

JP-07 BLUE	6710
JP-07 RED	6720
JP-07 GREEN	6730



Dosing: push at a button

Maximum flow

Three adapters 46,5-60 mm

For canisters and drums

# HAND PUMPS

## Hand pump JP-08

**Hand rotary pump for highly aggressive chemicals.**

**The pump is suitable for thin fluid, very aggressive media such as acids.**

Pump material: PVDF  
 Seals: PTFE  
 Flow rate: 0,3 l/rotation\*  
 Pump tube length: 3 x 35 cm

Pump complete with discharge arc and drum adapter G 2" (adapters see page 8). Regular lubrication with PTFE spray is required.

JP-08	6008 0000
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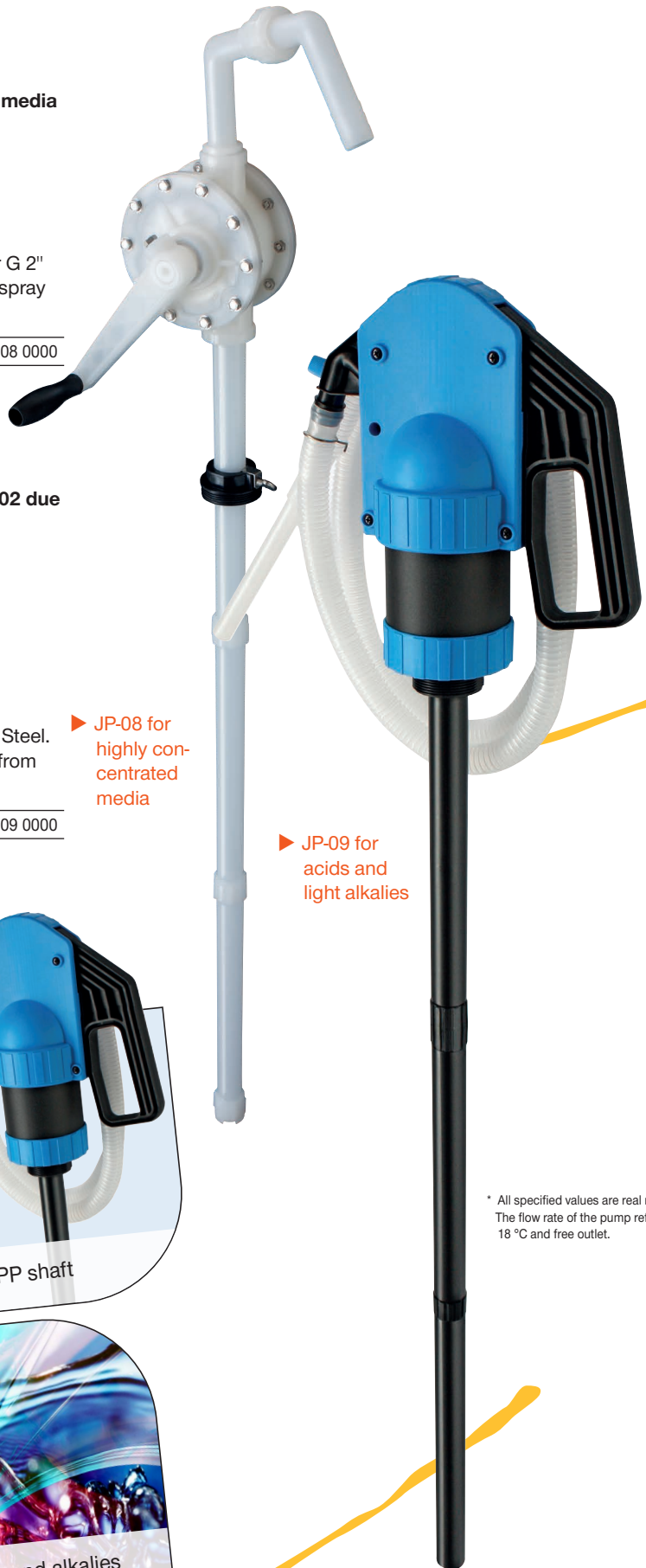
## Hand pump JP-09

**Suitable for almost all thin fluid and lightly aggressive media such as acids, light alkalies and cleaning media. Better resistance compared to JP-02 due to a PP shaft.**

Material: Polypropylene  
 Telescopic suction tube: three parts, Polyethylene  
 Seals: FKM  
 Pump tube length: for containers up to 960 mm  
 Flow rate: 0,5 l/stroke\*  
 Weight: 1,2 kg  
 PE hose 2 m

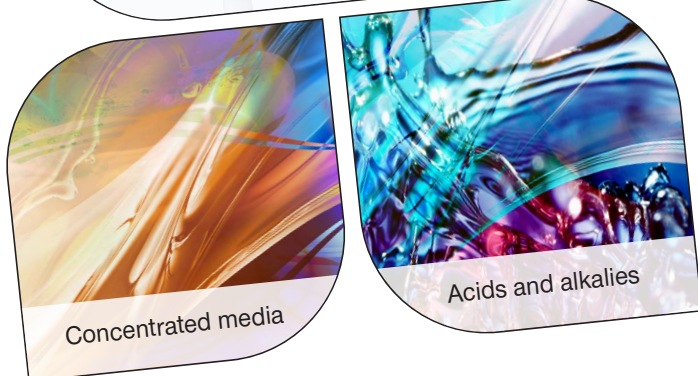
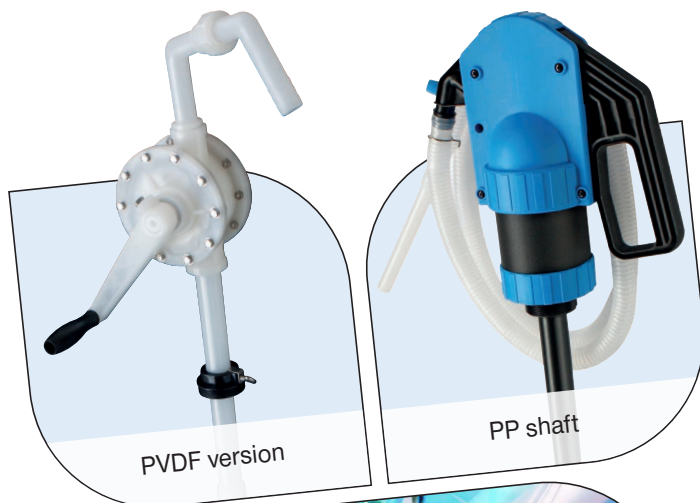
Thread G 2" for screwing in standard barrels made of Steel. Adapters are available for plastic drums and canisters from 20–220 l. Hose connection DN 19, 3/4".

JP-09	6009 0000
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▶ JP-08 for highly concentrated media

▶ JP-09 for acids and light alkalies



\* All specified values are real measured values. The flow rate of the pump refers to water at 18 °C and free outlet.

# HAND PUMPS

## Hand pump JP-11

### Hand crank rotary pump

The pump is suitable for thin fluid, non-flammable liquids such as diesel, gear oil, heating oil, hydraulic oil, machine oil, mineral oil, motor oil, etc. up to 1.000 mPas.

The pump is not suitable for water.

Pump complete with 1,35 m discharge hose 1.350 mm, drum adapter G 2" and strainer (Technical data as JP-12).

JP-11

6011 0000

## Hand pump JP-12

### Hand crank rotary pump

The pump is suitable for thin fluid, non-flammable liquids such as diesel, gear oil, heating oil, hydraulic oil, machine oil, mineral oil, motor oil, etc. up to 1.000 mPas.

The pump is not suitable for water.

Pump with special 2 m mineral oil hose discharge arc, drum adapter G 2" and strainer.

Material: Aluminium, zinc plated Steel

Seals: NBR

Flow rate: 1 l/rotation\*; changing from forward to reverse transferring possible. Thus results an optimal dosing.

Pump tube length: 1.080 mm

Pump tube diameter 32 mm

Strainer diameter: 52 mm

Head: 15 m\*

Horizontal distance: 50 m\*

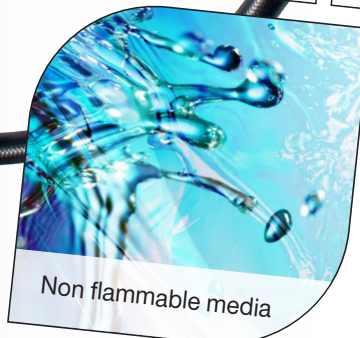
JP-12

6012 0000



▶ JP-11

▶ JP-12



# HAND PUMPS

## Hand pump JP-13

### Compact hand crank rotary pump

The pump is suitable for diesel, heating oil, oils (up to SAE 90) and all other self lubricating, non aggressive and non flammable media. The pump is not suitable for water.

Pump material: High impact die cast casing made of zinc, plastics

Seals: NBR

Flow rate: 0,3 l/stroke\* | max. 18 l/min

Pump tube diameter: max. 40 mm

Strainer diameter: max. 30 mm

Telescopic suction tube: adjustable from 355–955 mm.

Suitable for smaller containers and 200 liter drums.

Pump with discharge arc, drum adapter G 2" and strainer.

JP-13	6013 0000
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## Hand pump JP-15

### Hand lever pump made of metal. Not suitable for water.

For transferring many thin fluid, non flammable media such as diesel, oils, anti freezing liquid (diluted), etc.

Pump material: Steel zinc plated

Seals: NBR

Flow rate: 0,35 l/stroke

Pump tube length: 450–865 mm

Pump tube diameter: 40 mm

The telescopic suction tube enables an universal use for all sizes of drums. Pump with G 1½" and G 2" drum adapter and discharge arc. For 30–200 liters drums and containers.

The outlet has a ¾" male thread. Therefore other possibilities for connections exist.

JP-15	6015 0000
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▶ JP-15

▶ JP-13



\* All specified values are real measured values. The flow rate of the pump refers to water at 18 °C and free outlet.

# HAND PUMPS

\* All specified values are real measured values.  
The flow rate of the pump refers to water at 18 °C and free outlet.

▶ JP-16

▶ JP-111



## Hand pump JP-16

### Fire brigade hand pump

**ATEX compliant, single-acting reciprocating pump that can be used for following media of hazard classes A I-III:**

**Diesel, heating oil light/heavy, fuel, petroleum, anti freezing liquid for cooler (undiluted), thin fluid mineral oils and rapeseed methylester.**

Execution for fire brigades with flexible suction hose instead of a rigid tube.

Suction hose DN 19 x 4; 1,5 m

Discharge hose DN 19 x 4; 1,5 m

Flow rate: app. 0,25 l/stroke\*

In pump housing integrated drum adapters with M 64 x 4 and G 2" enable an easy fixing in drum.

JP-16	6016 0000
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## Hand pump JP-111

### Battery driven pump

**Suitable for water, diesel, lightly oils, neutral, lightly aggressive and non flammable media.**

**Only suitable for short term operation.**

Pump material: PP, PE and ABS

Pump tube length: 460 mm

Discharge hose: 600 mm

Largest suction tube diameter: 31,7 mm

Flow rate: 8 l/min.\*

Driven by batteries, size D, 1,5 V (not included in delivery; available in trade).

JP-111	6111 0000
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# ADAPTER



## Thread adapter

Thread adapters made of PE for equalization of different threads at canisters and drums, etc. when fixing f.e. hand pumps. In principle the JESSBERGER hand pumps can be screwed due to their already existing drum adapters (2" BSP male thread) easily into the threads of Steel drums like S 60 or S 200.

Due to the big variety of different vessels, canisters and drums that are available in the market there is often a need to use an adapter to screw the pump in the vessel securely and fixed.

### Adapter material: PE (Polyethylene)

This material is resistant to water, many alkalies, as well as acids and salt solutions. It is conditionally resistant to oils, organic solvents and fuel.

Upon contact with some of these substances, PE tends to swell, depending on its density.

No.	Color	Thread 1	Thread 2	Order-No.
1	Brown	2" BSP fine, internal thread*	DIN 71, internal thread	6001
2	Grey	2" BSP fine, internal thread*	DIN 61/31, external thread	6002
3	Black	2" BSP fine, external thread*	DIN 61/31, external thread	6003
4	Yellow	2" BSP fine, internal thread*	DIN 61/31, internal thread	6004
5	White	2" BSP fine, internal thread*	ASTM Ø 63 mm, int. thread	6005
6	Red	2" Mauser coarse, int. thread*	Trisure coarse, external thread	6006
7	Orange	2" BSP fine, internal thread*	Trisure coarse, external thread	6007
8	Blue	2" BSP fine, internal thread*	2" Mauser coarse, external thread	6008
9	Green	2" BSP fine, internal thread*	DIN 51, internal thread	6009
10	Set	All adapters No. 1-9	All adapters No. 1-9	6010

\* 2" BSP (british standard pipe) corresponds to a diameter of 58 mm.

### Classification (without any obligations):

- BLUE** with external thread Mauser for 200 liter plastic drums (coarse thread 69 mm)
- ORANGE** with external thread Trisure for 200 liter plastic drums (fine thread 56 mm)
- YELLOW** with internal thread DIN 61/31 for 30 liter plastic canisters (59 mm)
- BROWN** with internal thread DIN 71 for 60 liter plastic canisters (71 mm)

We are pleased to send you a drawing of the adapters via e-mail.

**BTS**  
ENGINEERING

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